

Appl. No. 10/663629  
Reply to Office action of June 29, 2004

## IN THE CLAIMS

### Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

### Listing of Claims:

1. (Previously Presented) A ceramic layered product comprising:  
a plurality of ceramic layers including a metallic element; and  
a plurality of metal layers, each of which is arranged between the ceramic layers,  
wherein the metal layers include at least one element selected from the group consisting  
of Ni, Cu, Ag, and Pd in a total content of not less than 50 atm% as a main component, and at  
least one element selected from the metallic elements of the ceramic layers in a content of not  
less than 1 atm% and less than 50 atm% as an additive component, and  
crystal grains of the metal layers form a columnar structure oriented in a thickness  
direction.
2. (Original) The ceramic layered product according to claim 1, wherein each of the  
metal layers includes Ni in a content of not less than 50 atm%.
3. (Original) The ceramic layered product according to claim 1, wherein the metallic  
element included in the ceramic layers is Ba or Ti.
4. (Original) The ceramic layered product according to claim 1, wherein a content of  
the additive component increases as it is closer to at least one surface of each of the metal layers.
5. (Original) The ceramic layered product according to claim 1, wherein a content of  
the additive component increases as it is closer to both surfaces of each of the metal layers.
6. (Original) The ceramic layered product according to claim 1, wherein the metal  
layers have a thickness of 0.1  $\mu\text{m}$  to 2  $\mu\text{m}$ .
7. (Cancelled)

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8. (Original) The ceramic layered product according to claim 1, wherein a grain size of the metal layers is not less than 0.1  $\mu\text{m}$ .
9. (Original) The ceramic layered product according to claim 1, wherein a packing factor of the metal layers is not less than 70%.
10. (Currently Amended) The ceramic layered product according to claim 1, wherein the metal layers ~~include~~ further comprise acicular particles.
11. (Original) The ceramic layered product according to claim 10, wherein the acicular particles include a metal that forms a hexagonal lattice.
12. (Original) The ceramic layered product according to claim 10, wherein the acicular particles include Ti.
13. (Original) The ceramic layered product according to claim 10, wherein a length of the acicular particles is longer than a thickness of the metal layers.
14. (Original) The ceramic layered product according to claim 10, wherein a length of the acicular particles in a longitudinal direction is at least two times as long as a dimension in a direction perpendicular to the longitudinal direction.
15. (Original) The ceramic layered product according to claim 10, wherein the metal layers further include granular particles connected to the acicular particles.
16. (Previously Presented) A method for manufacturing a ceramic layered product comprising:
  - forming a metal layer by a solventless process; and
  - stacking a plurality of ceramic green sheets, each of which is provided with the metal layer,wherein the ceramic green sheets include a metallic element,
  - the metal layer includes at least one element selected from the group consisting of Ni, Cu, Ag, and Pd in a total content of not less than 50 atm% as a main component, and at least one element selected from the metallic elements of the ceramic green sheets in a content of not less

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than 1 atm% and less than 50 atm% as an additive component, and  
crystal grains of the metal layers form a columnar structure oriented in a thickness  
direction.

17. (Withdrawn) The method according to claim 16, further comprising:  
transferring the metal layer formed on a supporting film onto a ceramic green sheet so  
that the ceramic green sheet is provided with the metal layer.
18. (Withdrawn) The method according to claim 16, wherein the solventless process is  
multisource evaporation, multisource sputtering, or alloy sputtering.
19. (Withdrawn) The method according to claim 18, wherein the metal layer is formed in an  
atmosphere containing oxygen.
20. (Withdrawn) The method according to claim 16, wherein the metal layer is formed so  
that a content of the additive component increases as it is closer to at least one surface of the  
metal layer.
21. (Withdrawn) The method according to claim 16, wherein the metal layer is formed so  
that a content of the additive component increases as it is closer to both surfaces of the metal  
layer.
22. (Withdrawn) The method according to claim 16, wherein a thin film formation source  
including the additive component and a thin film formation source including the main  
component are located respectively on an upstream side and a downstream side of a traveling  
supporting film, and  
a metal layer including the additive component and the main component is formed on the  
supporting film by multisource evaporation or multisource sputtering.
23. (Withdrawn) The method according to claim 22, wherein a thin film formation source  
including the additive component further is located on a downstream side of the traveling  
supporting film from the thin film formation source including the main component.